



# MASTER - LED HID SON-T - Ultra Efficient

## MAS LED SON-T UE M 8Klm 42.8W 727 E40

Philips MASTER - LED HID SON-T Ultra Efficient lamps are an easy LED solution with the highest efficiency to replace High-Intensity Discharge (HID) and High-Pressure Sodium (SON) lamps. MASTER – LED HID SON-T UE solutions bring the energy efficiency and long lifetime benefits of LED to HID replacement, providing instant savings for low energy costs. With the right lamp size and light distribution, you can easily use MASTER – LED HID SON-T UE lamps into existing SON and SON-T systems, enhancing the lighting quality with LED by removing the luminaire’s ballast for direct Mains working, gaining additional savings.

### Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

### Product data

General Information			
Cap-Base	E40	Luminous Flux	8,000 lm
Nominal lifetime	50,000 hour(s)	Color Designation	Warm White (WW)
Switching Cycle	50,000	Correlated Color Temperature (Nom)	2700 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	186 lm/W
Flux measurement reference	Sphere	Color Consistency	<6
Value ladder	Performance	Color rendering index (CRI)	70
		LLMF At End Of Nominal Lifetime (Nom)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Color Code	727 [CCT of 2700K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	300 degree(s)		

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Input Frequency	50 to 60 Hz
Power Consumption	42.8 W
Lamp Current (Nom)	183 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Ballast Compatibility	Mains
Inrush current at mains	25.8
Max. lamp no. on MCB B type 10A - Mains	8
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	13
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-

## Temperature

T-Case Maximum (Nom)	49.79 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T52
Net Weight (Piece)	0.225 kg

## Approval and Application

Energy Efficiency Class	B
Energy Consumption kWh/1000 h	43 kWh
EPREL Registration Number	2096242
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	-30 to +45 °C

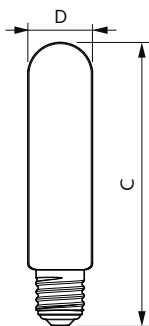
## Application Conditions

can it be used in closed luminaires	Yes
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## Product Data

Order product name	MAS LED SON-T UE M 8Klm 42.8W 727 E40
Full product name	MAS LED SON-T UE M 8Klm 42.8W 727 E40
Full product code	872016924037700
Order code	929003677502
Material Nr. (12NC)	929003677502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169240377
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169240384

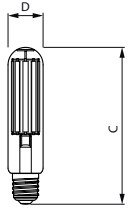
## Dimensional drawing



Product	D	C
MAS LED SON-T UE M 8Klm 42.8W 727 E40	53 mm	236 mm

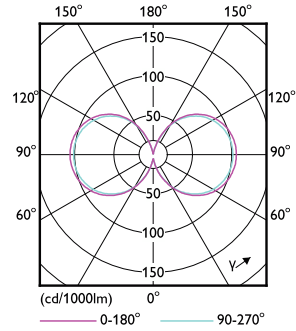
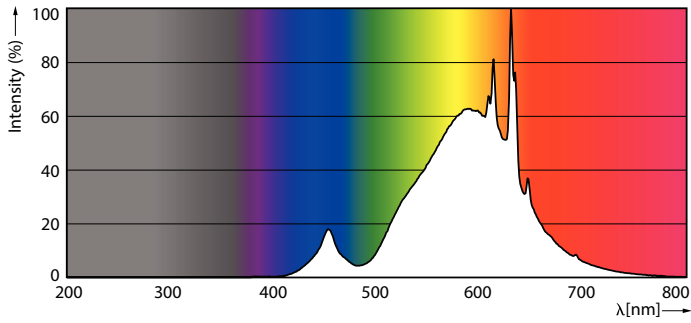
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## Dimensional drawing



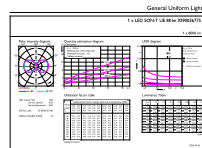
Product	D	C
MAS LED SON-T UE M 8Klm 42.8W 727 E40	53 mm	236 mm

## Photometric data



Spectral Power Distribution Colour - MAS LED SON-T UE M 8Klm 42.8W 727 E40

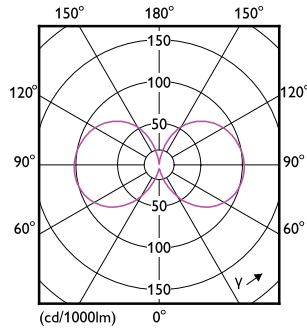
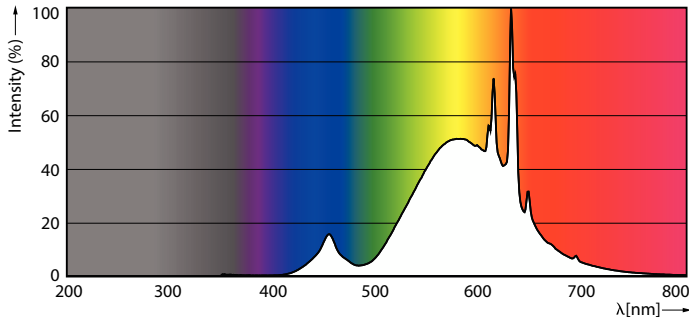
Light Distribution Diagram - MAS LED SON-T UE M 8Klm 42.8W 727 E40



General uniform lighting - MAS LED SON-T UE M 8Klm 42.8W 727 E40

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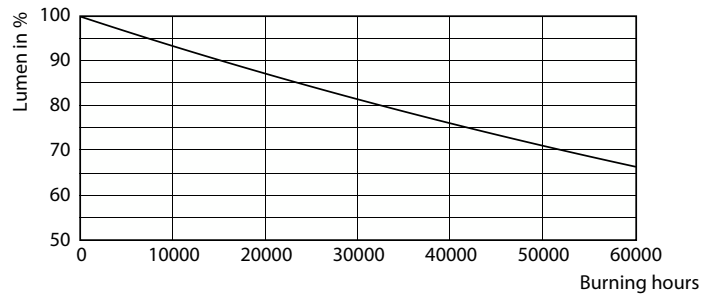
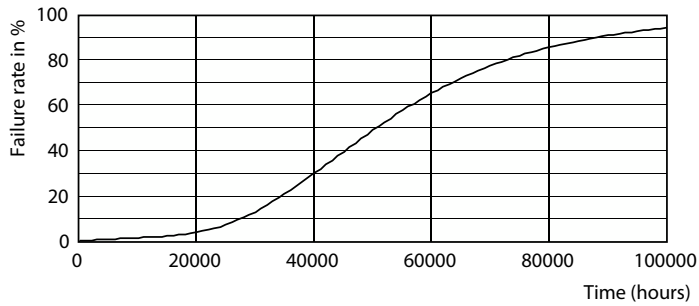
## Photometric data



Spectral Power Distribution Colour - MAS LED SON-T UE M 8Klm 42.8W 727 E40

Light Distribution Diagram - MAS LED SON-T UE M 8Klm 42.8W 727 E40

## Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - MAS LED SON-T UE M 8Klm 42.8W 727 E40

